

02-09-01

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PTO/SB/05 (08-00)

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. NOVT 200

First Inventor Carsten Sjoeholm

Title USE OF ACID-STABLE PROTEASES IN ANIMAL FEED

Express Mail Label No. EL 709 418 907 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 54]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 2]
5. Oath or Declaration [Total Pages 2]
- a. ☒ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 17 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b)
6. ☒ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☒ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☒ paper
- c. ☒ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☒ Other: Check for \$950.00

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. _____ / _____

Prior application information:

Examiner _____

Group / Art Unit _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Labelor ☐ Correspondence address below

Name	Patrea L. Pabst Arnall Golden & Gregory, LLP			
Address	2800 One Atlantic Center			
City	Atlanta	State	GA	Zip Code 30309-3450
Country	United States	Telephone	(404) 873-8794	Fax (404) 873-8795

Name (Print/Type)

Patrea L. Pabst

Registration No. (Attorney/Agent)

31,284

Signature

Date

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

NOVT 200 11321/1

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$950.00)

Complete if Known

Application Number	
Filing Date	February 8, 2001
First Named Inventor	Carsten Sjoeholm
Examiner Name	
Group Art Unit	
Attorney Docket No.	NOVT 200

METHOD OF PAYMENT (check one)

- 1.
- ☐
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number
01-2507Deposit Account Name
Arnall Golden & Gregory, LLP☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17☐ Applicant claims small entity status See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:**

☒ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101	710	201 355 Utility filing fee	710.00
106	320	206 160 Design filing fee	
107	490	207 245 Plant filing fee	
108	710	208 355 Reissue filing fee	
114	150	214 75 Provisional filing fee	

SUBTOTAL (1) (\$710.00)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
13	- 20 = 0	0	0
Independent Claims	6 - 3 = 3	80.00	240.00
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103	18	203 9 Claims in excess of 20
102	80	202 40 Independent claims in excess of 3
104	270	204 135 Multiple dependent claim, if not paid
109	80	209 40 ** Reissue independent claims over original patent
110	18	210 9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$240.00)

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105	130	205 65 Surcharge - late filing fee or oath	
127	50	227 25 Surcharge - late provisional filing fee or cover sheet	
139	130	139 130 Non-English specification	
147	2,520	147 2,520 For filing a request for <i>ex parte</i> reexamination	
112	920*	112 920* Requesting publication of SIR prior to Examiner action	
113	1,840*	113 1,840* Requesting publication of SIR after Examiner action	
115	110	215 55 Extension for reply within first month	
116	390	216 195 Extension for reply within second month	
117	890	217 445 Extension for reply within third month	
118	1,390	218 695 Extension for reply within fourth month	
128	1,890	228 945 Extension for reply within fifth month	
119	310	219 155 Notice of Appeal	
120	310	220 155 Filing a brief in support of an appeal	
121	270	221 135 Request for oral hearing	
138	1,510	138 1,510 Petition to institute a public use proceeding	
140	110	240 55 Petition to revive - unavoidable	
141	1,240	241 620 Petition to revive - unintentional	
142	1,240	242 620 Utility issue fee (or reissue)	
143	440	243 220 Design issue fee	
144	600	244 300 Plant issue fee	
122	130	122 130 Petitions to the Commissioner	
123	50	123 50 Petitions related to provisional applications	
126	240	126 240 Submission of Information Disclosure Stmt	
581	40	581 40 Recording each patent assignment per property (times number of properties)	
146	710	246 355 Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249 355 For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279 355 Request for Continued Examination (RCE)	
169	900	169 900 Request for expedited examination of a design application	

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Name (Print/Type) Patrea L. Pabst

Registration No. (Attorney/Agent) 31,284

Complete (if applicable)

Telephone (404) 873-8794

Signature

Date

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Carsten Sjoeholm and Peter Rahbek Oestergaard

Serial No.: Express Mail Label No.: EL 709 418 907 US

Filed: February 8, 2001 Date of Deposit February 8, 2001

For: USE OF ACID-STABLE PROTEASES IN ANIMAL FEED

BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

**EXPRESS MAIL TRANSMITTAL LETTER
FOR PATENT APPLICATION AND CERTIFICATE OF MAILING**

Sir:

Pursuant to 35 U.S.C. § 21(a) as amended by Public Law 97-247 and 37 C.F.R. § 1.10, applicants enclose for filing the attached patent application entitled "*Use of Acid-Stable Proteases in Animal Feed*", which claims priority to U.S.S.N. 60/183,133 filed February 17, 2000, and which claims priority to foreign application No. 2000 00200 filed in Denmark on February 8, 2000. The application includes 1 page of Abstract, 42 pages of specification, 2 pages of claims, 2 sheets of informal drawings, a 3-1/2 inch sequence listing diskette, a paper copy of the sequence listing, one executed International Form for Identification of Microorganism NNO18140 (2 pages); an unexecuted Declaration for Patent Application, and an unexecuted Power of Attorney or Authorization of Agent. An executed Declaration for Patent Application,

Title: "Use of Acid-Stable Proteases in Animal Feed"
Filed: February 8, 2001
Express Mail Transmittal Letter for
Patent Application and Certificate of Mailing
Express Mail Label No. EL 709 418 907 US
Date of Deposit: February 8, 2001

Power of Attorney or Authorization of Agent, and Assignment to F. Hoffmann-La Roche AG
will be submitted shortly.

A Preliminary Amendment is enclosed.

This application contains nucleic acid and/or protein sequences as defined in 37 C.F.R.
§§ 1.821-1.825. Pursuant to 37 C.F.R. §§ 1.821-1.825, applicants enclose a 3½" diskette
containing a computer-readable form of the Sequence Listing for the above-identified
application. A paper copy of the Sequence Listing is incorporated into the application.

I declare that the material on the diskette is identical to the paper copy of the Sequence
Listing present in the above-identified application, and that all statements made on information
and belief are believed to be true and further that these statements were made with the
knowledge that willful false statements may jeopardize the validity of the application or any
patent issuing thereon.

A check in the amount of \$950.00 to cover the filing fee is enclosed. It is believed that
\$950.00 is the proper filing fee for a large entity, as the application includes 6 independent
claims and a total of 13 claims after entry of the enclosed Preliminary Amendment.

The Commissioner is hereby authorized to charge any additional fees that may be
required, or credit any overpayment to Deposit Order Account No. 01-2507. To facilitate this
process, applicants have enclosed a duplicate of this letter.

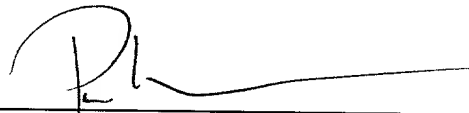
Title: "Use of Acid-Stable Proteases in Animal Feed"
Filed: February 8, 2001
Express Mail Transmittal Letter for
Patent Application and Certificate of Mailing
Express Mail Label No. EL 709 418 907 US
Date of Deposit: February 8, 2001

This application is being filed on February 8, 2001 by mailing the application to the Assistant Commissioner for Patents, Washington, D.C. 20231 via the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10. The Express Mail label number appears in the heading of this paper which is attached to the application papers pursuant to 37 C.F.R. § 1.10(b).

All correspondence concerning this application should be mailed to:

Patrea L. Pabst, Esq.
ARNALL GOLDEN & GREGORY, LLP
2800 One Atlantic Center
1201 West Peachtree Street
Atlanta, Georgia 30309-3450

Respectfully submitted,



Patrea L. Pabst
Reg. No. 31,284

Date: February 8, 2001

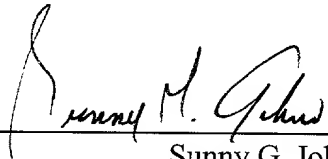
ARNALL GOLDEN & GREGORY, LLP
2800 One Atlantic Center
1201 West Peachtree Street
Atlanta, Georgia 30309-3450
(404) 873-8794
(404) 873-8795 Telefax

Title: "Use of Acid-Stable Proteases in Animal Feed"
Filed: February 8, 2001
Express Mail Transmittal Letter for
Patent Application and Certificate of Mailing
Express Mail Label No. EL 709 418 907 US
Date of Deposit: February 8, 2001

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this Express Mail Transmittal Letter for Patent Application and Certificate of Mailing and any documents referred to as attached therein are being deposited with the United States Postal Service on this date, February 8, 2001, in an envelope as "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, mailing label number EL 709 418 907 US, addressed to BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, D.C. 20231.

Date: February 8, 2001

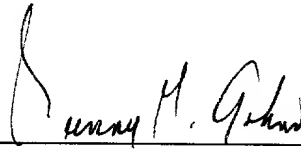

Sunny G. Johns

Title: "Use of Acid-Stable Proteases in Animal Feed"
Filed: February 8, 2001
Preliminary Amendment
Express Mail Label No. EL 709 418 907 US
Date of Deposit: February 8, 2001

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this Preliminary Amendment and any documents referred to as attached therein are being deposited with the United States Postal Service on this date, February 8, 2001, in an envelope as "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, mailing label number EL 709 418 907 US, addressed to BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, D.C. 20231.

Date: February 8, 2001



Sunny G. Johns